	Application No.	Applicant(s)	
	10/591,153	NAGAI, HIDEO	
Notice of Allowability	Examiner	Art Unit	
	TAN N. TRAN	2826	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet v (OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is	rith the correspondence address in this application. If not included nunication will be mailed in due course. THIS	
1. \boxtimes This communication is responsive to $04/15/08$.			
2. ☑ The allowed claim(s) is/are <u>1 and 4-19</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	e been received. e been received in Applicat	ion No	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Revi	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	•		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			
Attachment(s)			
1. Notice of References Cited (PTO-892)		nformal Patent Application	
 Notice of Draftperson's Patent Drawing Review (PTO-948) M Information Disclosure Statements (PTO/SB/08), 	Paper No	Summary (PTO-413), ./Mail Date s Amendment/Comment	
Paper No./Mail Date <u>08/30/06</u> 4. Examiner's Comment Regarding Requirement for Deposit	<u></u>		
of Biological Material		s Statement of Reasons for Allowance	
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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Maulin Shah on 05/08/08.

The application has been amended as follows:

In claim 1, lines 9,10, "high-dislocation-density regions in which dislocations are

localized and (ii) low-dislocation-density regions, the high and low-dislocation-density regions"

should be changed to – high-defect-density regions in which defects are localized and (ii) low-

defect-density regions, the high and low-defect-density regions --.

In claim 1, lines 14,15, "low-dislocation-density regions" should be changed to --low-

defect-density regions --.

In claim 1, line 14, "the p-electrode is in contact" should be changed to -- the p-electrode

is directly in contact --.

In claim 9, line 3, "high-dislocation-density regions" should be changed to --high-defect-

density regions --.

In claim 10, line 3, "the intensive-injection region" should be changed to -- a intensive-injection region --.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

Claims 1,4-19 are allowable over the reference of record because none of these references disclose or can be combined to yield the claimed invention such as the p-electrode has, on a surface facing toward the p-semiconductor layer, a plurality of projections or depressions that are distributed substantially uniformly, and the p-electrode is directly in contact, at top surface, with the low-defect-density regions of the p-semiconductor layer as recited in claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled ""Comments on Statement of Reasons for Allowance.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAN N. TRAN whose telephone number is (571) 272-1923. The examiner can normally be reached on 8:30-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **PURVIS SUE** can be reached on (571) 272-1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent

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Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. N. T./

Examiner, Art Unit 2826

/Evan Pert/

Primary Examiner, Art Unit 2826